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PTO/SB/21 (04-04)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/593,316	
	Filing Date	June 13, 2000	
	First Named Inventor	John Clark, et al.	
	Art Unit	1632	
	Examiner Name	Qian Janice Li	
Total Number of Pages in This Submission	86	Attorney Docket Number	730/002

LAST PAGE MARKED

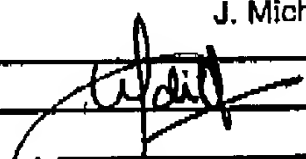
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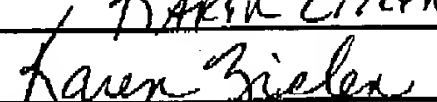
Form PTO-1449 (1 page) with copies of 14 references

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	J. Michael Schiff, Registration No. 40,253
Signature	
Date	August 13/04

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180

Complete if Known

Application Number	09/593,316
Filing Date	June 13, 2000
First Named Inventor	John Clark, et al.
Examiner Name	Qian Janice Li
Art Unit	1632
Attorney Docket No.	730/002

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit
Account
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Geron Corporation

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☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 180	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ 0

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 65	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	180
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	


Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180

(Complete if applicable)

SUBMITTED BY

Name (Print/Type)	J. Michael Schiff	Registration No. (Attorney/Agent)	40,253	Telephone	(650) 473-7715
Signature		Date	August 13/04		

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FEE TRANSMITTAL for FY 2004

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☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180

Complete if Known

Application Number	09/593,916
Filing Date	June 13, 2000
First Named Inventor	John Clark, et al.
Examiner Name	Qian Janice Li
Art Unit	1632
Attorney Docket No.	730/002

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
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FEE CALCULATION (continued)

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Other fee (specify)

*Reduced by Basic Filing Fee Paid

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Name (Print/Type)

J. Michael Schiff

Registration No.
(Attorney/Agent)

40,253

Telephone

(650) 473-7715

Signature

Date

August 18/04

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Name

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: John Clark, *et al.*

Art Unit: 1632

Filing Date: June 13, 2000

Examiner: Qian Janice Li

Serial No: 09/593,316

Docket: 730/002

Title: ANIMAL TISSUE FOR
XENOTRANSPLANTATIONSUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR § 1.97(c)(2)Commissioner for Patents
Alexandria VA 22313

Dear Sir,

The information listed in the accompanying form PTO-1449 and provided herewith may be material to examination of this application and is submitted in compliance with the duty of disclosure under 37 CFR § 1.56. The Examiner is requested to make this information of record in the application.

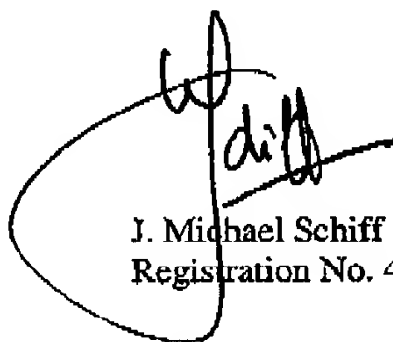
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PATENT
USSN 09/593,316
Docket 730/002

This Information Disclosure Statement is being filed after the first Office Action on the merits, pursuant to 37 CFR § 1.197(c)(2). Authorization to charge Deposit Account 07/1139 with the fee therefor under 37 CFR § 1.117(p) is provided in the accompanying fee calculation sheet.

Should any other fees be required for further consideration of the application, the Commissioner is hereby authorized to charge such fees (or credit any overpayment) to the Deposit Account.

Respectfully submitted,



J. Michael Schiff
Registration No. 40,253

GERON CORPORATION
230 Constitution Drive
Menlo Park, CA 94025
Telephone: (650) 473-7715
Fax: (650) 473-8654

August 13th, 2004

Form 1449 (modified)	Docket: 730/002	U.S.S.N.: 09/593,316
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Title: Animal Tissue for Xenotransplantation Inventors: John Clark, et al.	
(Use Several Sheets if Necessary)	Filing Date: June 13, 2000	Group: 1632

U.S. PATENT DOCUMENTS

Examiner Initial	Ref.	Document No.	Filing Date	Publication Date	Class/ Subclass	Inventors	Title
none							

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner Initial	Ref.	Document No.	Publication Date	Jurisdiction	Title	Translation
none						

OTHER DOCUMENTS

Examiner Initial	Ref.	Author, Title, Source, Date
	FA	Angell WW et al, The Angell-Shiley Porcine Xenograft, <i>Annals of Thoracic Surgery</i> 28(6):537 (1979)
	FB	Chen CG et al, Transgenic Expression of Human α 1,2-Fucosyltransferase (H-Transferase) Prolongs Mouse Heart Survival in an Ex Vivo Model of Xenograft Rejection, <i>Transplantation</i> 65(6):832 (1998)
	FC	Cibelli JB et al, Cloned Transgenic Calves Produced from Nonquiescent Fetal Fibroblasts, <i>Science</i> 280:1256 (1998)
	FD	Costa C et al, Expression of the Human α 1,2-Fucosyltransferase in Transgenic Pigs Modifies the Cell Surface Carbohydrate Phenotype and Confers Resistance to Human Serum-Mediated Cytolysis, <i>FASEB J</i> , 13:1762 (1999)
	FE	Costa C et al, Delayed Rejection of Porcine Cartilage is Averted by Transgenic Expression of α 1,2-Fucosyltransferase, <i>FASEB J</i> 17:109 (2003)
	FF	Denning C et al, Deletion of the α (1,3)Galactosyl Transferase (GGTA1) Gene and the Prion Protein (PrP) Gene in Sheep, <i>Nature Biotechnology</i> 19:559 (2001)
	FG	Dor F et al, α 1,3-Galactosyltransferase Gene-Knockout Miniature Swine Produce Natural Cytotoxic Anti-Gal Antibodies, <i>Transplantation</i> 78(1):15 (2004)
	FH	Kolber-Simonds D et al, Production of α -1,3-Galactosyltransferase Null Pigs by Means of Nuclear Transfer with Fibroblasts Bearing Loss of Heterozygosity Mutations, <i>PNAS</i> 101(19):7335 (2004)
	FI	Kuroiwa Y et al, Sequential Targeting of the Genes Encoding Immunoglobulin- μ and Prion Protein in Cattle, <i>Nature Genetics</i> 36(7):775 (2004)
	FJ	Ramsoondar JJ et al, Production of α -1,3-Galactosyltransferase-Knockout Cloned Pigs Expressing Human α 1,2-Fucosyltransferase, <i>Biology of Reproduction</i> 69:437 (2003)
	FK	Rhind SM et al, Cloned Lambs - Lessons from Pathology, <i>Nature Biotechnology</i> 21(7):744 (2003)
	FL	Schnieke AE et al, Human Factor IX Transgenic Sheep Produced by Transfer of Nuclei from Transfected Fetal Fibroblasts, <i>Science</i> 278:2130 (1997)
	FM	Sendai Y et al, Heterozygous Disruption of the α 1,3-Galactosyltransferase Gene in Cattle, <i>Transplantation</i> 76(6):900 (2003)
	FN	Stinson EB et al, Long-Term Experience with Porcine Aortic Valve Xenografts, <i>J Thoracic Cardiovascular Surgery</i> 73(1):54 (1977)

Examiner	Date Considered

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
PTO-1449 — Page 1

geron

GERON CORPORATION

230 Constitution Drive
Menlo Park, CA 94025
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